

OXYGEN PERMEABLE ELECTRODE SYSTEM

Abstract of Disclosure

An electrochemical device (18) for generating a desired gas of the type includes an ionically conductive electrolyte layer (20), a porous electrode layer (22), and a current collector layer (16) that has a high electrical conductivity and is porous to a desired gas (24) generated by the electrochemical device (18). The current collector layer (16) is substantially formed as a film comprised of a layer of spherical refractory material objects (26) having a conductive coating (12) of a precious metal. The coated spherical objects (26) have a desired diameter (28) making them suitable for forming into the film.

Figures